


Substitute for form 1449/PTO

(Use as many sheets as necessary)

Sheet 1 of 1

Application Number	10/701,955
Filing Date	November 5, 2003
First Named Inventor	Vikram Chalana
Art Unit	3732
Examiner Name	--
Attorney Docket No.	DXUC-1-1020

[illegible]

Examiner Signature		Date Considered	3/6/5
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¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English Language Translation is attached.

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OXUC-1-1019:DS(5)



PTO/SB/08B (08-03) modified

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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)	Application Number	10/701,955
	Filing Date	November 5, 2003
	First Named Inventor	Vikram Chalana
	Art Unit	3732
	Examiner Name	--
Sheet 1 of 4	Attorney Docket No.	DXUC-1-1020

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
de		GROVER et al., "Three-Dimensional Amniotic Fluid Volume," <i>Obstetrics & Gynecology</i> (December 1997) 1007-1010, 90:6; Elsevier Science, Inc., University of California Los Angeles	
		MANN et al., "Novel Technique for Assessing Amniotic Fluid Volume: Use of a Three-Dimensional Bladder Scanner," <i>J. of Maternal Fetal Med.</i> (2000) 9:308-310, Torrance, California	
		ROSS, "Amniotic Fluid Volume Determination," <i>Letter to the Editor</i> , 169 (2:1), <i>Am. J. Obstet. Gynecol.</i> , August 1993.	
		CHENG et al., "Boundary Extraction Method for Three Dimensional Ultrasonic Echo Imaging Using Fuzzy Reasoning and Relaxation Techniques," (1994) 1610-1614 IEEE, Tokyo, Japan	
		RUTHERFORD et al., "The Four-Quadrant Assessment of Amniotic Fluid Volume: An Adjunct to Antepartum Fetal Heart Rate Testing," (1987) 353-356 70:3 (Part 1) <i>Obstetrics & Gynecology</i>	
		CHAMBERLAIN et al., "Ultrasound Evaluation of Amniotic Fluid Vol.; II. The Relationship of Increased Amniotic Fluid Vol. to Perinatal Outcome," (10/1/84) 250-254 <i>Am. J. Ob. Gyn.</i> , Canada	
		PHELAN et al., "Amniotic Fluid Volume Assessment with the Four-Quadrant Technique at 36-42 Weeks' Gestation," (July 1987) 540-42, 32:7 <i>Dept. Ob. Gyn.</i> , UCLA, California	
		CHAMBERLAIN, Paul, "Amniotic Fluid Volume: Ultrasound Assessment and Clinical Significance," (October, 1985) 163-167, <i>Seminars in Perinatology</i> 9:4, Grune & Stratton, Inc., Galway, Ireland	
		CROWLEY et al., "The Value of Ultrasound Measurement of Amniotic Fluid Volume In The Management of Prolonged Pregnancies," (May 1984) 444-448 Vol. 91, <i>British Journal of Obstetrics and Gynaecology</i>	
		STANGENBERG et al., "Amniotic Fluid Volumes In Pregnant Diabetics During the Last Trimester: A Comparative Study Using Ultrasound and PAH Dilution," <i>Acta Obstet Gynecol Scand</i> (1982) 61:313-316, Stockholm, Sweden	
de		MANNING et al., "Qualitative Amniotic Fluid Volume Determination By Ultrasound: Antepartum Detection of Intrauterine Growth Retardation," Thirty-Sixth Annual Meeting of The Society of Obstetricians and Gynaecologists of Canada, Jasper, Alberta, Canada, June 10-14, 1980. (February 1, 1981), 254-258, <i>Am. J. Obstet. Gynecol.</i> , C.V. Mosby Co., Canada	

Examiner Signature		Date Considered	3/6/15
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DXUC-1-1020IDS(3)

Substitute for form 1449/PTO	Application Number	10701,955
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)	Filing Date	November 5, 2003
	First Named Inventor	Vikram Chalana
	Art Unit	3732
	Examiner Name	--
Sheet 2 of 4	Attorney Docket No.	DXUC-1-1020

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		WEISSMAN et al, "Sonographic Measurement of Amniotic Fluid Volume in the First Trimester of Pregnancy," (June 23, 1996) American Institute of Ultrasound in Medicine, <i>J Ultrasound Med.</i> , 15:771-774	
		SAGIV et al, "Application of a Semiautomatic Boundary Detection Algorithm for the Assessment of Amniotic Fluid Quantity from Ultrasound Images," (1999) <i>Ultrasound in Med. & Biol.</i> , 25:4 515-526 World Federation for Ultrasound in Medicine, Elsevier Science, Inc., Tel Aviv University, Israel	
		MAGANN et al., "Measurement of Amniotic Fluid Volume: Accuracy of Ultrasonography Techniques," (December 1992) 1533-1537, <i>Am. J. Obstet. Gynecol.</i> , Jackson, Mississippi, and Augusta, Georgia	
		MYLES et al., "Four-Quadrant Assessment of Amniotic Fluid Volume: Distribution's Role in Predicting Fetal Outcome," (1992) 769-774, 80:5, <i>Ob. & Gyn.</i> , The American College of Obstetricians and Gynecologists.	
		MOORE, MD, Thomas R., "Superiority of the Four-Quadrant Sum Over the Single-Deepest-Pocket Technique in Ultrasonographic Identification of Abnormal Amniotic Fluid Vols.," 762-767, 163:3, U. of California, San Diego	
		JENG et al., "Amniotic Fluid Index Measurement with the Four-Quadrant Technique During Pregnancy," (1990) 35:7, 674-677, <i>J. Reproductive Medicine</i> , The Journal of Reproductive Medicine, Inc.	
		SCHIFF et al., "Standardized Measurement of Amniotic Fluid Volume by Correlation of Sonography With Dye Dilution Technique," (1990) 44-46, 76:1 Department of Obstetrics and Gynecology; Tel Aviv, Israel	
		GRAMELLINI et al., "Sonographic Assessment of Amniotic Fluid Volume Between 11 and 24 Weeks of Gestation: Construction of Reference Intervals Related to Gestational Age," (2001) <i>Ultrasound Obstet. Gynecol.</i> , 17:410-415, Parma, Italy	
		MAGANN et al., "Ultrasound Estimation of Amniotic Fluid Volume Using the Largest Vertical Pocket Containing Umbilical Cord: Measure To or Through Cord?," (2002) <i>Ultrasound Obstet. Gynecol.</i> , 20:464-467; Australia, Mississippi and South Carolina	
		MAGANN et al., "Ultrasound Estimate of Amniotic Fluid Volume: Color Doppler Overdiagnosis of Oligohydramnios," (2001) 98:1, 71-74, <i>Obstetrics & Gynecology</i> , Elsevier Science, Inc., South Carolina and Mississippi	

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Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/701,955
		Filing Date	November 5, 2003
		First Named Inventor	Vikram Chalana
		Art Unit	3732
		Examiner Name	--
Sheet	4	of	4
		Attorney Docket Number	DXUC-1-1020

U.S. PATENT DOCUMENTS					
Examiner Initials ²	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ³ (if known)			
ME		US- 5,235,985	08-17-1993	McMorrow et al.	
		US-			
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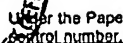
FOREIGN PATENT DOCUMENTS						
Examiner Initials ²	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				

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Substitute for form 1449A/PTO

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Sheet

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of

2

Complete if Known

Application Number

10/701,955

Filing Date

November 5, 2003

First Named Inventor

Vikram Chalana

Art Unit

3732

Examiner Name

Not yet assigned

Attorney Docket Number

DXUC-1-1020

U.S. PATENT DOCUMENTS

2.2

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

Complete if Known					
				Application Number	10/701,955
				Filing Date	November 5, 2003
				First Named Inventor	Vikram Chalana
				Group Art Unit	3732
				Examiner Name	Not yet assigned
Sheet	1	of	2	Attorney Docket Number	DXUC-1-1020

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code ² (if known)		
<i>U.D.</i>	11.	2002/0133075	A1	Abdelhak	09-19-2002
<i>U.D.</i>	12.	6,695,780	B1	Nahum et al.	02-24-2004

FOREIGN PATENT DOCUMENTS

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Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published

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SAGIV C., et al., "Application of a Semiautomatic Boundary Detection Algorithm for the Assessment of Amniotic Fluid Quantity from Ultrasound Images," *Ultrasound in Medicine & Biology*, 1999, Vol. 25, No. 4, pp. 515-526.

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		Filing Date	November 5, 2003		
		First Named Inventor	Chalana, Vikram		
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		Number	Kind Code ² (if known)			
2-2	1	US-	5,575,286	11-19-1996	Weng et al.	3
2-2	2	US-	5,060,515	10-29-1991	Kanda et al.	
2-2	3	US-	4,431,007	2-14-1984	Amazeen et al.	
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**INFORMATION DISCLOSURE
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Sheet 2 of 2

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Filing Date	November 5, 2003
First Named Inventor	Chalana Vikram
Group Art Unit	3732
Examiner Name	
Attorney Docket Number	DXUC-1-1020

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	1	E.F. MAGANN et al., Ultrasound estimation of Amniotic Fluid Volume Using the Largest Vertical Pocket Containing Umbilical Cord: Measure to or Through the Cord?, Ultrasound Obstet Gynecol 2002; 20: 464-467	
	2	GRAMELLINI et al., Sonographic Assessment of Amniotic Fluid Volume Between 11 and 24 Weeks of Gestation: Construction of Reference Intervals Related to Gestational Age, Ultrasound Obstet Gynecol 2001; 17: 410-415	
	3	MANN et al., Novel Technique for Assessing Amniotic Fluid Volume Use of a Three-Dimensional Bladder Scanner, The Journal of Maternal-Fetal Medicine 9:308-310 (2000)	
	4	GROVER et al., Three-Dimensional Method for Determination of Amniotic Fluid Volume in Intrauterine Pockets, Obstetrics and Gynecology 1997; 90, No. 6: 1007-1010	
	5	CHENG et al., Boundary Extraction Method for Three Dimensional Ultrasonic Echo Imaging Using Fuzzy and Relaxation Techniques, TNE 1993 IEEE, Nuclear Science Symposium: Medical Imaging 10/30-11/06/93: PT 3, 1610-1614.	
	6	ROSS, Michael G., Am J. Obstet Gynecol August 1993: Vol 169, No. 2: 435-437.	
	7	BESL et al., A Method for Registration of 3-D Shapes, IEEE Transactions on Pattern Analysis and Machine Intelligence, Vol. 14, No. 2, February 1992.	

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